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| 1 | Turning tool for grooving polishing pad, apparatus and method of producing polishing pad using the tool, and polishing pad produced by using the tool | 451/178 | 451/246; 451/249; 83/875 |
| 2 | Combined screenprint and embroidering method and apparatus | 112/475.18 | 101/127.1; 112/103 |
| 3 | Image-forming apparatus and cutting method of sheet member in the same | 347/9 | 347/101; 347/104 |
| 4 | Rod lens array and a process for producing the same | 359/622 | 359/619; 359/652 |
| 5 | Recording material cutting device | 83/485 | 346/24; 400/621; 83/614 |
| 6 | Raised island abrasive, method of use and lapping apparatus | 451/59 | 451/287; 451/36; 451/41 |
| 7 | Image forming device | 347/108 | 271/275; 347/104 |
| 8 | Platen for multistage panel press | 100/324 | 100/326 |
| 9 | Image forming apparatus | 347/222 | |
| 10 | Polishing apparatus, polishing method and method of conditioning polishing pad | 451/285 | 451/443; 451/444 |
| 11 | Method and apparatus for producing a continuous web from a block of material | 83/813 | 29/33S; 409/165; 83/661; 83/788 |
| 12 | Slurry supply system for chemical mechanical polishing | 156/345.12 | 451/527 |
| 13 | Insert molding method and apparatus therefor | 264/40.1 | 264/279.1; 264/334; 425/139; 425/150; 425/165 |
| 14 | Multi-axis part positioning system | 33/573 | 33/1M; 33/549 |

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| 1 | | Suzuki; Tatsutoshi | X | | | | | | |
| 2 | | Krasnitz; Ronald H. | X | | | | | | |
| 3 | | Suzuki; Ryo et al. | X | | | | | | |
| 4 | | Ogi; Shuya et al. | X | | | | | | |
| 5 | | Kiyohara; Naoki et al. | X | | | | | | |
| 6 | | Duescher; Wayne O. | X | | | | | | |
| 7 | | Izuma; Kensuke | X | | | | | | |
| 8 | | Wollny; Klaus et al. | X | | | | | | |
| 9 | | Fukumura; Atsushi | X | | | | | | |
| 10 | | Kobayashi; Tatsunori et al. | X | | | | | | |
| 11 | | Sabatelli; David Albert et al. | X | | | | | | |
| 12 | | Hsieh; Shih-Huang et al. | X | | | | | | |
| 13 | | Inaba; Yoshiharu et al. | X | | | | | | |
| 14 | | Collier; Scott Mitchell et al. | X | | | | | | |

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| 6 | US 6769969 | |
| 7 | US 6752495 | |
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| 9 | US 6529227 | |
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| 11 | US 6269724 | |
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| 22 | | | US 5025910 A | 19910625 | 13 |
| 23 | | | US 4971124 A | 19901120 | 8 |
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| 15 | Tray sealing platen and seal apparatus | 53/329.3 | 156/308.4; 156/69 |
| 16 | Die casting machine with safety bar | 164/153 | 164/312; 425/151 |
| 17 | Pad for disc brakes with sintered friction elements | 188/250E | 188/250B; 192/107C |
| 18 | Unwrapping apparatus for stretch-wrapped load and shrink-wrapped load | 53/381.2 | 53/492 |
| 19 | Method of cutting sheet for plotter | 225/2 | 225/106; 225/96; 346/24 |
| 20 | Transmission clutch and recording apparatus which uses the transmission clutch | 271/10.05 | 271/34; 271/902; 400/629; 400/636.2 |
| 21 | Method and apparatus for adjusting the spacing between head and platen in an impact printer or the like | 400/56 | 400/355; 400/59 |
| 22 | Rotary pad turner | 198/377.04 | |
| 23 | Sliver patching method and apparatus | 144/332 | 144/2.1; 144/24.16; 144/402 |
| 24 | Method and apparatus for forming carton blanks | 493/354 | 493/342; 493/400; 493/472 |
| 25 | Filament specimen fixture | 73/856 | 73/830 |
| 26 | Apparatus for the manufacture of pile fabrics | 156/435 | 156/173; 156/174; 156/426; 156/427; 156/512; 156/72 |
| 27 | Method for die cutting plastic foam | 83/50 | 83/138; 83/167; 83/55; 83/556; 83/685; 83/84; 83/85 |

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| 15 | | De Young; Perry R. | X | | | | | | |
| 16 | | Hegel; Robert W. et al. | X | | | | | | |
| 17 | | Russo; Sergio | X | | | | | | |
| 18 | | Hayakawa; Katsumi et al. | X | | | | | | |
| 19 | | Takahashi; Isamu | X | | | | | | |
| 20 | | Mizoguchi; Yoshiyuki et al. | X | | | | | | |
| 21 | | Inagaki; Haruhisa et al. | X | | | | | | |
| 22 | | Lasure; Randal D. et al. | X | | | | | | |
| 23 | | Wolle; Christopher S. | X | | | | | | |
| 24 | | Jesch; Norman L. | X | | | | | | |
| 25 | | Knoff; Warren F. | X | | | | | | |
| 26 | | Martin; Stephen C. | X | | | | | | |
| 27 | | Braddon; George B. | X | | | | | | |

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| 18 | US 5463841 | |
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| 20 | US 5211690 | |
| 21 | US 5156466 | |
| 22 | US 5025910 | |
| 23 | US 4971124 | |
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| 25 | US 4909084 | |
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| 36 | | | US 4144773 A | 19790320 | 9 |
| 37 | | | US 4131705 A | 19781226 | 5 |

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| 28 | Paper feeding and guiding system | 400/641 | 271/272; 400/631; 400/636; 400/642; 400/645; 400/690 |
| 29 | Continuous variable magnification-type copying machine capable of enlarging and contracting an image | 399/200 | 355/55; 399/201 |
| 30 | Photographic printing apparatus | 355/99 | 355/100; 355/85 |
| 31 | Video disc mastering using gimballled air puck | 369/132 | |
| 32 | Dual parallelogram cutterhead suspension apparatus | 369/251 | 369/13.56; 369/132; 369/246; 369/248 |
| 33 | Rolled nail strips packed without spools | 242/530.2 | 206/338; 242/918 |
| 34 | Rolled nail strips packed without spools | 242/160.2 | 206/343; 206/390; 242/160.4; 242/530.2; 242/536 |
| 35 | Method for forming an accurately assembled laminate utilizing a vacuum holding press | 156/285 | 156/556; 156/580; 29/464 |
| 36 | Bicycle sprocket wheel | 474/161 | 403/3; 403/365; 74/447; 74/DIG.10 |
| 37 | Structural laminate | 428/106 | 264/108; 264/112; 264/113; 428/114; 428/165; 428/171; 428/326 |

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| 28 | | Willcox; Frederick P. | X | | | | | | |
| 29 | | Ogawa; Ryota et al. | X | | | | | | |
| 30 | | Powers; John W. | X | | | | | | |
| 31 | | Guarracini; Joseph et al. | X | | | | | | |
| 32 | | Gunter; John | X | | | | | | |
| 33 | | Jureit; J. Calvin et al. | X | | | | | | |
| 34 | | Jureit; J. Calvin et al. | X | | | | | | |
| 35 | | Metcalf; Gerald S. et al. | X | | | | | | |
| 36 | | Addicks; Lyle F. | X | | | | | | |
| 37 | | Kubinsky; Eugene J. | X | | | | | | |

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| 28 | US 4502804 | |
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| 30 | US 4423955 | |
| 31 | US 4402072 | |
| 32 | US 4310915 | |
| 33 | US 4275854 | |
| 34 | US 4225095 | |
| 35 | US 4220491 | |
| 36 | US 4144773 | |
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| 47 | | | US 3910512 A | 19751007 | 21 |

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| 38 | Method and apparatus for joining wooden members using rolled nail strips packed without rolls | 29/417 | 206/340; 206/343; 227/95; 242/530.2; 29/432; 428/597 |
| 39 | Method of joining wooden members | 29/432 | 227/152; 29/417 |
| 40 | Methods for fabricating wooden frames and the like | 29/417 | 227/152; 227/86; 227/93; 29/432 |
| 41 | Box spring frame machine | 227/7 | 227/103; 227/95 |
| 42 | Automatic frame machine | 227/86 | 227/95 |
| 43 | Record grooving device | 33/27.09 | 369/83; 83/875 |
| 44 | Methods for fabricating wooden frames and the like | 29/432 | 100/913; 206/340; 206/343; 227/152; 227/153; 29/417 |
| 45 | Sheet binding machine | 156/364 | 156/368; 156/510; 156/535; 156/538; 156/583.7; 156/908; 412/16; 412/37; 412/900 |
| 46 | Apparatus for fabricating wooden frames and the like | 227/95 | 227/152 |
| 47 | Connector plate coil support | 242/160.4 | 100/913; 206/338; 242/159; 242/587.1; 242/602.1 |

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| 38 | | Jureit; J. Calvin et al. | X | | | | | | |
| 39 | | Jureit; John Calvin et al. | X | | | | | | |
| 40 | | Jureit; John Calvin et al. | X | | | | | | |
| 41 | | Jureit; John Calvin et al. | X | | | | | | |
| 42 | | Jureit; John Calvin et al. | X | | | | | | |
| 43 | | Vespo; James A. | X | | | | | | |
| 44 | | Jureit; John Calvin et al. | X | | | | | | |
| 45 | | Carlton; Robert D. et al. | X | | | | | | |
| 46 | | Jureit; John Calvin et al. | X | | | | | | |
| 47 | | Jureit; John Calvin et al. | X | | | | | | |

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| 39 | US 4047282 | |
| 40 | US 4033025 | |
| 41 | US 4025028 | |
| 42 | US 3985278 | |
| 43 | US 3973325 | |
| 44 | US 3939548 | |
| 45 | US 3920501 | |
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| 48 | APPARATUS FOR VULCANIZING RUBBER MOLDS | 425/144 | 100/211; 264/225; 425/149; 425/157; 425/175; 425/389; 425/408; 425/DIG.44 |
| 49 | METHOD OF MAKING LAMINATED DIFFUSION BONDED BATTERY PLAQUES | 29/2 | 228/190; 228/193; 29/419.1; 429/235 |
| 50 | VIDEO DISC CUTTING USING PRESSURIZED AIR TO CONTROL DEPTH OF GROOVES | 369/153 | 369/170; 369/251 |
| 51 | REFLECTOR PANELS FOR ROAD VEHICLES | 29/558 | 264/1.9; 359/533; 83/861 |
| 52 | VACUUM FILM PLATEN AND CONDENSER LENS ASSEMBLY FOR PHOTO REPRODUCTION APPARATUS | 355/76 | 353/96; 355/73 |
| 53 | LAMP COMPRISING AN ELONGATED LIGHT SOURCE, PARTICULARLY A ROD-SHAPED FLUORESCENT LAMP, AND SHADE OF TRANSPARENT MATERIAL | 362/339 | 362/330 |
| 54 | METHOD OF MAKING DIFFUSION BONDED BATTERY PLAQUES | 29/2 | 29/419.1; 429/223 |
| 55 | APPARATUS FOR FORMING CONTAINERS | 425/214 | 425/317; 425/394 |
| 56 | METHOD OF LAPPING SEMICONDUCTOR WAFER, METHOD OF CLEANING GROOVE OF PLATEN, LAPPING MACHINE, AND JIG FOR CLEANING GROOVE | | |
| 57 | IMAGE FORMING DEVICE | | |
| 58 | METHOD AND APPARATUS FOR DECORATING CONCURRENTLY WITH INJECTION MOLDING | | |
| 59 | IMAGE FORMING APPARATUS AND RECORDING MATERIAL-CUTTING DEVICE THEREOF | | |
| 60 | PRINTING APPARATUS | | |

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| 48 | | Mintz; Nathan H. et al. | X | | | | | | |
| 49 | | Pollack; William | X | | | | | | |
| 50 | | Moritz; Scott N. et al. | X | | | | | | |
| 51 | | Beasley; Maurice Trevor | X | | | | | | |
| 52 | | Wally, Jr.; Joseph H. | X | | | | | | |
| 53 | | Clostermann; Friedrich et al. | X | | | | | | |
| 54 | | Pollack; William | X | | | | | | |
| 55 | | Brown, Jr.; Fred P. | X | | | | | | |
| 56 | | WATANABE, KAZUNORI | X | | | | | | |
| 57 | | MARUYAMA, CHIHIRO | X | | | | | | |
| 58 | | TAJIMA, ISAO | X | | | | | | |
| 59 | | NAGAYAMA, AKITO et al. | X | | | | | | |
| 60 | | AIZAWA, SEIICHI et al. | X | | | | | | |

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| 61 | PRINTING HEAD | | 400/621 |
| 62 | RECORDING DEVICE | | 346/139R |
| 63 | RECORDER | | |
| 64 | IMAGE FORMING DEVICE | | 355/75 |
| 65 | PLATEN DEVICE | | 400/659; 400/662 |
| 66 | ORIGINAL PRESS-CONTACTING DEVICE | | 355/76 |
| 67 | PLATEN AND MANUFACTURE THEREOF | | 400/662 |
| 68 | APPARATUS WITH CUTTING MECHANISM | | 355/29 |
| 69 | APPARATUS WITH CUTTING MECHANISM | | 400/621 |
| 70 | PAPER SETTING MECHANISM FOR RECORDER | | 358/487; 358/488; 358/498 |
| 71 | LINE PRINTER | | 101/93.14; 400/146; 400/656 |
| 72 | Rotary pad turner. | | |

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| 61 | | SHIDA, YOSHIO | X | | | | | | |
| 62 | | NAKAMURA, MASASHI et al. | X | | | | | | |
| 63 | | INOUE, HIROYUKI | X | | | | | | |
| 64 | | AOKI, KAZUAKI | X | | | | | | |
| 65 | | MITSUISHI, TSUTOMU et al. | X | | | | | | |
| 66 | | TAKAHASHI, MASAACKI et al. | X | | | | | | |
| 67 | | HASHIMOTO, KENICHIRO | X | | | | | | |
| 68 | | KIYOHARA, TAKEHIKO | X | | | | | | |
| 69 | | KIYOHARA, TAKEHIKO | X | | | | | | |
| 70 | | UMEZAWA, MICHIO | X | | | | | | |
| 71 | | KAWAI, SHOICHI et al. | X | | | | | | |
| 72 | | LASURE, RANDAL D et al. | X | | | | | | |

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